

Claims

1. In a crop recovery machine including a crop receptacle, an inlet leading into a lower region of said receptacle, a crop take-up arrangement located upstream of a first overshot rotor that conveys crop directly into said inlet, the improvement comprising: said first rotor having a circumferential region that reaches at least approximately to a lower region of said receptacle.

2. The crop recovery machine, as defined in claim 1, wherein said first rotor is configured as a cutting rotor having axially spaced apart plates; and a cutting knife assembly including a plurality of cutting knives cooperating with said plates to cut crop into short lengths.

3. The crop recovery machine, as defined in claim 2, wherein said first rotor has a smaller width than said crop take-up arrangement.

4. The crop recovery machine, as defined in claim 1, wherein a second rotor is located upstream of said first rotor and is located downstream of said crop take-up arrangement.

5. The crop recovery machine, as defined in claim 4, wherein said second rotor has a width substantially equal to that of said crop take-up arrangement.

6. The crop recovery machine, as defined in claim 5, wherein said second rotor has a width greater than that of said first rotor.

7. The crop recovery machine, as defined in claim 4, wherein said second rotor performs overshot conveying.

8. The crop recovery machine, as defined in claim 4, wherein said crop take-up arrangement, first rotor, and second rotor each perform overshot conveying.

9. The crop recovery machine, as defined in claim 4, wherein said second rotor has at least outer end sections that are each provided with a transverse conveying arrangement having an axial conveying component directed inward.

10. The crop recovery machine, as defined in claim 9, wherein said outer end sections of said second rotor are each configured as one of a screw conveyor and a helical bridge.

11. The crop recovery machine, as defined in claim 4, wherein said second

rotor includes a central section having drivers attached thereto.

12. The crop recovery machine, as defined in claim 11, wherein said drivers are configured as one of fingers, driver tines, driver bridges, and paddles.

13. The crop recovery machine, as defined in claim 11, wherein said drivers are configured as screw helices.

14. The crop recovery machine, as defined in claim 11, wherein at least said outer sections of said second rotor are driven.

15. The crop recovery machine, as defined in claim 14, wherein said outer sections of said second rotor are mounted for being driven separately from said central section.

16. The crop recovery machine, as defined in claim 4, wherein said second rotor consists only of two, axially-spaced, outer sections.

17. The crop recovery machine, as defined in claim 4, wherein a guide arrangement is arranged between said second rotor and first rotors.

18. The crop recovery machine, as defined in claim 17, wherein said guide arrangement is flexible.

19. The crop recovery machine, as defined in claim 18, wherein said guide arrangement is configured as one of a flap, roll, and conveyor belt.

20. The crop recovery machine, as defined in claim 4, wherein said second rotor is mounted for movement transverse to a flow of crop conveyed by said second rotor.

21. The crop recovery machine, as defined in claim 1, wherein said machine is a large round baler and said receptacle is a baling chamber; and said first rotor reaching at least to a circumference of a lower region of said baling chamber.

22. The crop recovery machine, as defined in claim 21, and further including a second rotor that conveys in an overshot manner and is located upstream of said first rotor and downstream of said crop take-up arrangement.

23. The crop recovery machine, as defined in claim 21, wherein said first rotor is configured as a cutting rotor.

24. The crop recovery machine, as defined in claim 22, wherein said first rotor is configured as a cutting rotor having axially-spaced apart plates; and a cutting

knife assembly including a plurality of cutting knives cooperating with said plates to cut crop into short lengths.